

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: ALEXANDER PINES; DAVID E. WEMMER; MEGAN SPENCE; SETH RUBIN  
Serial No.:  
Filed:  
For: FUNCTIONALIZED ACTIVE-NUCLEUS COMPLEX SENSOR  
Group:  
Examiner:  
Docket No.: IB-1643A

**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22213-1450**

**INFORMATION DISCLOSURE STATEMENT**

**List of Sections Forming Part of This Information Disclosure Statement**

The following sections are being submitted for this Information Disclosure Statement:

**Section 1. Preliminary Statements**

Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.56(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

**Section 2. PTO Form 1449 (modified)**

**FORM 1449 IS BEING SUBMITTED HEREWITH IN 18 PAGE(S).**

**Section 3. Identification of Prior Application in Which Listed Information Was Already Cited and For Which No Copies Are Submitted Or Need Be Submitted**

**THIS APPLICATION RELIES, UNDER 35 U.S.C. § 120, ON THE EARLIER FILING DATE OF PRIOR APPLICATION 09/903,279 FILED ON 07/11/2001. THE REFERENCES SHOWN IN THE PTO FORM 1449 WERE SUBMITTED TO AND/OR CITED BY THE OFFICE IN THIS PRIOR APPLICATION AND, THEREFORE, ARE NOT REQUIRED TO BE PROVIDED IN THIS APPLICATION.**

**Section 4. Identification of Person(s) Making This INFORMATION DISCLOSURE STATEMENT**

The person making this statement is the attorney who signs below on the basis of:

\_\_\_\_\_ the information supplied by the inventor(s)

X  the information in the attorney's file

Dated:

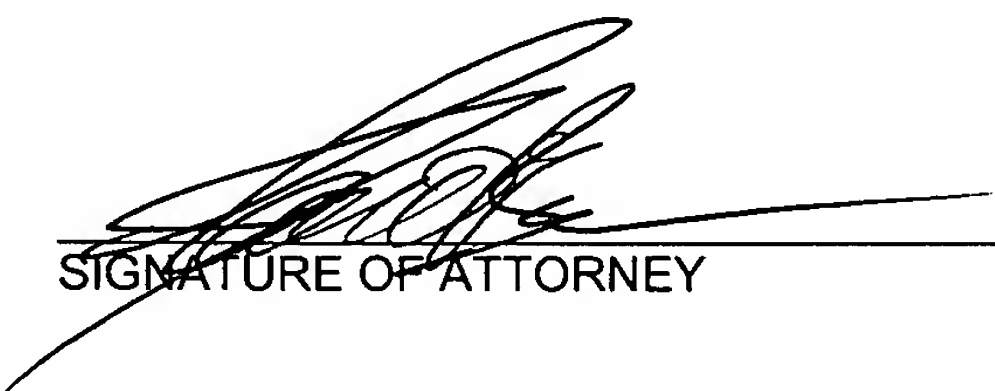
9/15/03

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SIGNATURE OF ATTORNEY

John P. O'Banion  
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**CERTIFICATION UNDER 37 CFR 1.10**

I hereby certify that the foregoing:

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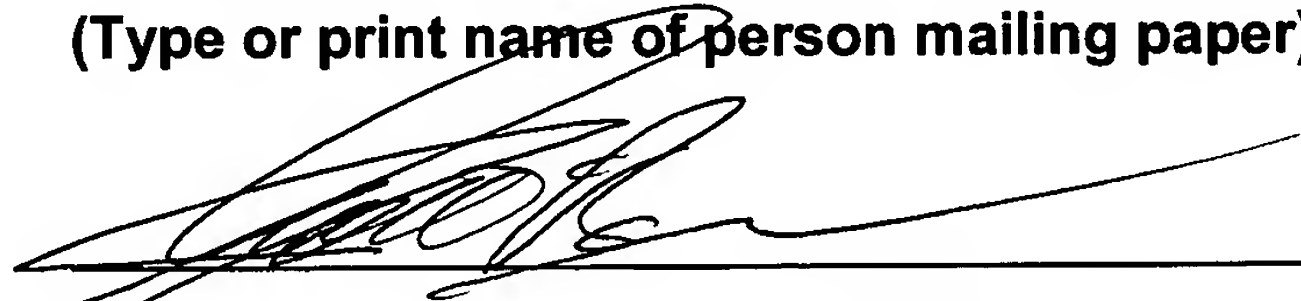
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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. LBL-IB-1643	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Pines et al.	
(Use several sheets if necessary)		FILING DATE	GROUP

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE
	5	7	8	5	9	5	3		7-98	Albert et al.			
	5	6	4	2	6	2	5		7-97	Cates, Jr. et al.			

### FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
												NO	YES

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ALEXANDER PINES ET AL.

Filing Date

Group Art Unit

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*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,586,511	05/1986	Clark, Jr.			
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	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		WO 95/27438	10/1995	WIPO				
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**ALEXANDER PINES ET AL.**

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# INFORMATION DISCLOSURE CITATION

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LBL-IB-164

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,357,959	10/1994	Fishman			
	5,665,777	09/1997	Fesik et al.			
	5,698,401	12/1997	Fesik et al.			
	5,785,953	07/1998	Albert et al.			
	5,804,390	09/1998	Fesik et al.			
	5,846,517	12/1998	Unger			
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	5,989,827	11/1999	Fesik et al.			
	6,023,162	02/2000	Johnson			
	6,042,809	03/2000	Tournier et al.			
	6,051,208	04/2000	Johnson et al.			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

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		Bartik, Kristin et al.; "129 Xe AND 1H NMR STUDY OF THE REVERSIBLE TRAPPING OF XENON BY CRYPTOPHANE-A IN ORGANIC SOLUTION," J. Am. Chem. Soc., Vol. 120, pp. 784-791, (1998).
		Faruqi, Tatjana R. et al.; "STRUCTURE-FUNCTION ANALYSIS OF PROTEASE-ACTIVATED RECEPTOR 4 TETHERED LIGAND PEPTIDES," Journal of Biological Chemistry, Vo. 275, No. 26, pp. 19728-19734, June 30, 2000.

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<div>INFORMATION DISCLOSURE CITATION</div> <div>(Use several sheets if necessary)</div>		Docket Number (Optional) LBL-IB-16		Application Number
		Applicant(s) ALEXANDER PINES ET AL.		
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**INFORMATION DISCLOSURE CITATION**  
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**LBL-IB-164**

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**ALEXANDER PINES ET AL.**

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		5,642,625	07/1997	Cates, Jr. et al.			
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		5,846,517	12/1998	Unger			
		6,023,162	02/2000	Johnson			
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		6,051,208	04/2000	Johnson et al.			

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	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
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		Faruqu, Tatjana R. et al.; "STRUCTURE-FUNCTION ANALYSIS OF PROTEASE-ACTIVATED RECEPTOR 4 TETHERED LIGAND PEPTIDES," Journal of Biological Chemistry, Vol. 275, No. 26, pp. 19728-19734, June 30, 2000.
		Bartik, Kristin et al.; "129 XE AND 1H NRM STUDY OF THE REVERSIBLE TRAPPING OF XENON BY CRYPTOPHANE-A IN ORGANIC SOLUTION," Journal of American Society, Vol. 120, pp. 784-791, (1998)

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							YES	NO
		EP 0 620 447 A2	04/1994	EP			✓	

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<b>Notice of References Cited</b>	Application/Control No.	Applicant(s)/Patent Under Reexamination PINES ET AL.	
	Examiner	Art Unit	

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	A	US-002/0131900	09-2002	Jensen	422/82.05
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

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	N					
	O					
	P					
	Q					
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	S					
	T					

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	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

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